

IFW
H0004415-1246

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



re the Application of:

ACCOMANNO ET AL.

Serial No.: 10/666,342

Art Unit: 2871

Filed: September 22, 2003

Examiner: Not Yet Assigned

For: HIGH EFFICIENCY VIEWING
SCREENING

INFORMATION DISCLOSURE STATEMENT FILED UNDER 37 C.F.R. § 1.97(c)(1)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants wish to make of record in the above-identified application the document or documents referenced on the attached Form PTO-1449. A copy of each non U.S. reference is enclosed herewith. Further, the undersigned hereby certifies that:

- each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to my knowledge after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the information disclosure statement.

The undersigned believes that this Information Disclosure Statement is being filed before the mailing date of any action that closes prosecution in the present application. Accordingly, Applicants do not believe that a fee is due for filing this paper. However, should such an action have been issued on the same day or before this Information Disclosure Statement is filed, please accept this Information Disclosure Statement under 37 C.F.R. § 1.97(d) and charge the requisite fee to our Deposit Account No. 50-1390, under Order No. H0004415-1246 and proceed to consider this Information Disclosure Statement.

It is respectfully requested that the information be expressly considered during the prosecution of this application, and that each reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This submission does not represent that any referenced document is material or constitutes "prior art." If it should be determined that one or more of the referenced documents constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of the reference or references.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over any referenced document, should it be applied against the claims of the present application.

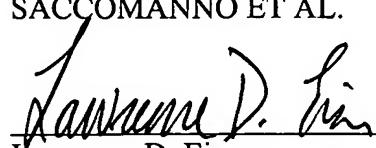
SHAW PITTMAN LLP
1650 Tysons Boulevard
McLean, VA 22102
Tel: 703/770-7900

Date: June 29, 2004

Respectfully submitted,

SACCOMANNO ET AL.

By:


Lawrence D. Eisen
Registration No. 41,009

Customer No. 00128



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/666,342
Filing Date	9/22/03
First Named Inventor	Saccomanno et al.
Art Unit	2871
Examiner Name	Not Yet Assigned
Attorney Docket Number	H0004415-1246

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code ² (if known)			
		US-6,011,528	1/4/00	Inbar et al.	
		US-3,840,695	10/8/74	Fischer	
		US-5,629,784	5/13/97	Abileah et al.	
		US-5,272,473	12/21/93	Thompson et al.	
		US-6,381,068	4/30/02	Harada et al.	
		US-5,481,385	1/2/96	Zimmerman et al.	
		US-6,445,487	9/3/02	Roddy et al.	
		US-6,428,198	8/6/02	Saccomanno et al.	
		US-6,421,148	7/16/02	Steiner	
		US-6,421,103	7/16/02	Yamaguchi	
		US-6,388,661	5/14/02	Richards	
		US-6,317,169	11/13/01	Smith	
		US-6,268,941	7/31/01	Halldorsson	
		US-6,261,664	7/17/01	Beeson et al.	
		US-6,248,859	6/19/01	Caruso et al.	
		US-6,239,907	5/29/01	Allen et al.	
		US-6,201,045	3/13/01	Koike	
		US-6,174,394	1/16/01	Gvon et al.	
		US-6,163,402	12/19/00	Chou et al.	
		US-6,123,877	9/26/00	Clabburn	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 01/86343	11/15/01	3M		<input type="checkbox"/>
		WO 00/70400	11/23/00	Revco, Inc.		<input type="checkbox"/>
		EP 1 186 939	3/13/02	Sharp		<input type="checkbox"/>
		WO 02/059691	8/1/02	Sullivan et al.		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

Examiner Signature	Date Considered
--------------------	-----------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/666,342
				Filing Date	9/22/03
				First Named Inventor	Saccomanno et al.
				Art Unit	2871
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	H0004415-1246
Sheet	2	of	4		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code ² (if known)			
		US-6,060,157	5/9/00	LaPerre et al.	
		US-6,021,818	1/11/00	Araki	
		US-6,010,747	1/4/00	Beeson et al.	
		US-5,973,834	10/26/99	Kadaba et al.	
		US-5,889,615	3/30/99	Dreyer et al.	
		US-5,751,388	5/12/98	Larson	
		US-5,609,939	3/11/97	Petersen et al.	
		US-5,161,041	11/3/92	Abileah et al.	
		US-4,697,407	10/6/87	Wasserman	
		US-4,536,063	8/20/85	Southwell	
		US-4,373,065	2/8/83	Prest, Jr.	
		US-4,340,275	7/20/82	Henkes	
		US-4,174,874	11/20/79	Lee	
		US-4,155,630	5/22/79	Ih	
		US-4,153,654	5/8/79	Maffitt et al.	
		US-4,035,068	7/12/77	Rawson	
		US-3,909,111	9/30/75	Meyerhofer	
		US-3,712,707	1/23/93	Henkes, Jr.	
		US-3,437,405	4/8/69	Northrop	
		US-3,279,314	10/18/66	Miller	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/666,342
				Filing Date	9/22/03
				First Named Inventor	R. Saccomanno et al.
				Art Unit	2871
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	H0004415-1246
(use as many sheets as necessary)					
Sheet	3	of	4		

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-------------------------------	--	----------------------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/666,342
Sheet	4	Filing Date	9/22/03
		First Named Inventor	Saccomanno et al.
		Group Art Unit	2871
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	H0004415-1246

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		B. Larson et al., "Image Noise in High Resolution Rear Projection Screens" Cockpit Displays IX: Displays for Defense Applications, Darrel G. Hopper, Proceedings of SPIE Vol. 4712, 2002	<input type="checkbox"/>
		Saleh et al. "Fundamentals of Photonics" pp 203-208, 1991	<input type="checkbox"/>
		Goldenberg et al. "Rear Projection Screens for Light Valve Projection Systems" vol. 3013, 1997, pp. 49-59.	<input type="checkbox"/>
		Shimizu, "Invited Paper: Scrolling Color LCOS for HDTV Rear Projection" 2001 SID International Symposium Digest of Technical Papers, vol. 32, 2001 pp. 1072-1075	<input type="checkbox"/>
		Copy of International Search Report	<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.